```
                    GenCore version 5.1.3
           Copyright (c) 1993-2003 Compugen Ltd.

OM protein   nucleic search using frame_plus_p2n model

Run on:      January 16, 2003, 16:59:22 - Search time: 17.129 seconds
                                  (without alignments)
                                  89.447 Million cell updates/sec

Title:       US-09-856-070-25
Perfect score: 23
Sequence:    1 MLPLQ 5

Scoring table: BLOSUM62

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           Ygapop  10.0 , Ygapext  0.5
           Fgapext  6.0 , Fgapext  7.0
           Delop    6.0 , Delext   7.0

Searched:    44136 seqs, 15338381 residues

Total number of hits satisfying chosen parameters:    882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Command line parameters:
-MODEL=frame_p2n.model -DEV=xlp
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-DB=Issued_Patents_NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human4a.cdi
-LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pto -NORM=ext -HPAWSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09856070 -ACCN=1.61 -format_14012003_156835.1656 -NCPU=6 -ICPU=3
-NO_XLPXY -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -LONGLOG -DEV_TIMEOUT=120
-WARN_TIMEOUT=10 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :   Issued_Patents_NA: *
             1: /cgn2_6/ptodata/2/ina/5A_COMB.seq *
             2: /cgn2_6/ptodata/2/ina/5B_COMB.seq *
             3: /cgn2_6/ptodata/2/ina/6A_COMB.seq *
             4: /cgn2_6/ptodata/2/ina/6B_COMB.seq *
             5: /cgn2_6/ptodata/2/ina/PTOS_COMB.seq *
             6: /cgn2_6/ptodata/2/ina/backfiles1.seq *

     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.
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SUMMARIES

Result No.		Score	Query Match	Length	DB	ID	Patent No.	Description
1		23	100.0	46	6	3	US-09-856-070-25	
2		23	100.0	256	3	3	US-04-846-855-4	Sequence 4, Appli
3	c	23	100.0	298	3	3	US-04-846-855-26	Sequence 26, Appli
4	c	23	100.0	298	3	3	US-04-846-855-18	Sequence 18, Appli
5		23	100.0	365	3	3	US-09-080-855-29	Sequence 29, Appli
6	c	23	100.0	443	3	3	US-09-080-855-19	Sequence 19, Appli
7		23	100.0	478	2	2	US-08-557-309B-17	Sequence 17, Appli
8	c	23	100.0	715	4	4	US-08-858-207A-159	Sequence 159, App
9		23	100.0	791	4	4	US-08-858-207A-219	Sequence 219, Appl
10	c	23	100.0	822	4	4	US-09-228-986-38	Sequence 38, Appli
11	c	23	100.0	943	1	1	US-07-807-043B-12	Sequence 12, Appli
12	c	23	100.0	943	1	1	US-08-249-849B-12	Sequence 12, Appli

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       o  13      23  100.0  943   2  US-08-142-368A-12  Sequence 12, Appli
       o  14      23  100.0  943   1  US-08-467-727-12   Sequence 12, Appli
       o  15      23  100.0  943   1  US-08-037-236-12   Sequence 12, Appli
          16      23  100.0  1564  2  US-08-446-705-4    Sequence 4, Appli
          17      23  100.0  1564  3  US-08-846-704-3    Sequence 3, Appli
       o  18      23  100.0  1584  4  US-09-418-448-31   Sequence 31, Appli
          19      23  100.0  1620  4  US-09-099-041A-3   Sequence 3, Appli
          20      23  100.0  1620  4  US-09-245-281-3    Sequence 3, Appli
          21      23  100.0  1620  4  US-09-207-359B-3   Sequence 3, Appli
          22      23  100.0  1641  1  US-08-519-474-1    Sequence 1, Appli
          23      23  100.0  1736  1  US-98-519-474-7    Sequence 7, Appli
          24      23  100.0  1815  1  US-99-178-252-7    Sequence 7, Appli
       o  25      23  100.0  1905  4  US-09-295-744A-1   Sequence 1, Appli
          26      23  100.0  1941  4  US-09-019-942-2    Sequence 2, Appli
          27      23  100.0  1941  4  US-09-099-041A-1   Sequence 1, Appli
          28      23  100.0  1941  4  US-09-245-281-1    Sequence 1, Appli
          29      23  100.0  1941  4  US-09-478-271-2    Sequence 2, Appli
          30      23  100.0  1951  4  US-09-207-359B-1   Sequence 1, Appli
          31      23  100.0  2016  1  US-08-294-872-1    Sequence 1, Appli
          32      23  100.0  2016  2  PCT-US4-09823-1    Sequence 1, Appli
       o  33      23  100.0  2225  5  US-08-780-370A-1   Sequence 1, Appli
          34      23  100.0  2232  5  PCT-US96-05120A-113 Sequence 113, App
          35      23  100.0  2417  4  US-09-605-785-334  Sequence 334, App
       o  36      23  100.0  2417  4  US-09-439-913-334  Sequence 334, App
       o  37      23  100.0  2417  4  US-09-352-616A-334 Sequence 334, App
       o  38      23  100.0  2417  3  US-09-232-149A-334 Sequence 334, App
          39      23  100.0  2446  4  US-09-834-306-17   Sequence 17, Appl
          40      23  100.0  2446  4  US-09-493-574A-17  Sequence 17, Appl
          41      23  100.0  2446  4  US-09-256-976-17   Sequence 17, Appl
          42      23  100.0  2591  4  US-09-420-663-3    Sequence 3, Appli
          43      23  100.0  2592  4  US-09-069-933-2    Sequence 2, Appli
          44      23  100.0  2797  2  US-08-855-723B-4   Sequence 4, Appli
          45      23  100.0  2747  3  US-08-123-465-4    Sequence 4, Appli
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ALIGNMENTS

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RESULT 1
5520913-13
;Patent No.: 5520913
;APPLICANT: ANDERSON, STEPHEN;BENNETT, WILLIAM F.;HOTSTEIN,
;DAVID;HIGGINS, DEBORAH L.;PAONI, NICHOLAS F.;ZOLLER, MARK J.
;TITLE OF INVENTION: TISSUE PLASMINOGEN ACTIVATOR HAVING
;ZYMOGENIC PROPERTIES
;   NUMBER OF SEQUENCES: 35
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/88,451
;     FILING DATE: 06-JUL-1993
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 770,510
;     FILING DATE: 04-OCT-1991
;     APPLICATION NUMBER: 384,608
;     FILING DATE: 24-JUL-1989
;     APPLICATION NUMBER: 240,856
;     FILING DATE: 02-SEP-1988
;SEQ ID NO:13:
;   LENGTH: 36
5520913-13

Alignment Scores:
Pred. No.:                28.3          Length:             36
Score:                    23.00         Matches:            5
Percent Similarity:       100.00%       Conservative:       0
Best Local Similarity:    100.00%       Mismatches:         0
Query Match:              100.00%       Indels:             0
DB:                       6             Gaps:               0

US-09-856-070-25 (1-5)  x  5520913-13 (1-36)

Qy   1  MetLeuArgLeuGln  5
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DB  25  A  ....  29
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RESULT 2
US-09-080-855-4
; Sequence 4, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzn, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gonez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
; FILE REFERENCE: L0461/7040
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997-02-25
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 46..46
; OTHER INFORMATION: n - a, c, g or t
US-09-080-855-4

Alignment Scores:
Pred. No.:   237   Length: 256
Score: 23.00   Matches: 5
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 100.00%   Indels: 0
DB: 3   Gaps: 0

US-09-856-070-25 (1-5) x US-09-080-855-4 (1-256)

Qy   1 MetLeuArgLeuGln 5
        |||||||||||||||
Db 214 ATGTTGAGGCTGCAG 228

RESULT 3
US-09-080-855-26/C
; Sequence 26, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzn, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gonez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
; FILE REFERENCE: L0461/7040
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997-02-25
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 298
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 254..254
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 274..274
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 279..279
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 282..282
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 294..294
; OTHER INFORMATION: n - a, c, g or t
US-09-080-855-26

Alignment Scores:
Pred. No.:   279   Length: 298
Score: 23.00   Matches: 5
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: Indels: 0
DB: 3   Gaps: 0

US-09-856-070-25 (1-5) x US-09-080-855-26 (1-298)

Qy   1 MetLeuArgLeuGln 5
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Db 228 ATCTTGAGGCTGCAG 214

RESULT 4
US-09-080-855-18/C
; Sequence 18, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzn, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gonez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
; FILE REFERENCE: L0461/7040
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997-02-25
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 308
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 20..20
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 30..30
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 31..31
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 280..280
; OTHER INFORMATION: n - a, c, g or t
US-09-080-855-18

Alignment Scores:
Pred. No.:   289   Length: 308
Score: 23.00   Matches: 5

Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 100.00%   Indels: 0
DB: 3   Gaps: 0

US-09-856-070-25 (1-5) x US-09-080-855-18 (1-308)

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Qy    1 MetLeuArgLeuGln 5
        |||||||||||||
Db  228 ATGTTGAGGCTGCAG 214
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RESULT 5
US-09-080-855-29/c
; Sequence 29, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzn, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gonez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
; FILE REFERENCE: 10461/7030
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997-02-25
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 365
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 230..230
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 287..287
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 307..307
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 334..334
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 339..339
; OTHER INFORMATION: n - a, c, g or t
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 360..360
; OTHER INFORMATION: n - a, c, g or t
US-09-080-855-29

Alignment Scores:
Prod. No.:   348   Length: 365
Score: 23.00   Matches: 5
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 100.00%   Indels: 0
DB: 3   Gaps: 0

US-09-856-070-25 (1-5) x US-09-080-855-29 (1-365)

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Qy    1 MetLeuArgLeuGln 5
        |||||||||||||
Db  228 ATGTTGAGGCTGCAG 214
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RESULT 6
US-09-080-855-19/c
; Sequence 19, Application US/09080855A
; Patent No. 6083721
; GENERAL INFORMATION:
; APPLICANT: Saras, Jan
; APPLICANT: Franzn, Petra
; APPLICANT: Aspenstrm, Pontus
; APPLICANT: Hellman, Ulf
; APPLICANT: Gonez, Leonel Jorge
; APPLICANT: Heldin, Carl-Henrik
; TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
; FILE REFERENCE: 10461/7030
; CURRENT APPLICATION NUMBER: US/09/080,855A
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 08/805,583
; EARLIER FILING DATE: 1997 02 25
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 19
; LENGTH: 443
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 59..59
; OTHER INFORMATION: n - a, c, g or t
US-09-080-855-19

Alignment Scores:
Prod. No.:   429   Length: 443
Score: 23.00   Matches: 5
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 100.00%   Indels: 0
DB: 3   Gaps: 0

US-09-856-070-25 (1-5) x US-09-080-855-19 (1-443)

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Qy    1 MetLeuArgLeuGln 5
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Db  127 ATGTTGAGGCTGCAG 113
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RESULT 7
US-08-557-309B-17
; Sequence 17, Application US/08557309B
; Patent No. 5916572
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND PREVENTION OF
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/557,309B
; FILING DATE: 14-Nov-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.

; REGISTRATION NUMBER: 31,892
; REFERENCE/DOCKET NUMBER: 219121.422
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 478 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-557-309B-17

Alignment Scores:

Prod. No.:	466	
Score:	23.00	Length: 478
Percent Similarity:	100.00%	Matches: 5
Best Local Similarity:	100.00%	Conservative: 0
Query Match:	100.00%	Mismatches: 0
DB:	2	Indels: 0
		Gaps: 0

US-09-856-070-25 (1-5) x US-08-557-309B-17 (1-478)

Qy   1 MetLeuArgLeuGln 5
        |||||||||||||||
Db 175 ATGCTGCGATTGCAA 189

RESULT 8
US-08-858-207A-159
; Sequence 159, Application US/08858207A
; Patent No. 6348128
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Nicholas, Richard
; APPLICANT: Stodola, Robert
; TITLE OF INVENTION: No. 6348328el Compounds
; NUMBER OF SEQUENCES: 552
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/858,207A
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/017670
; FILING DATE: 14-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R
; REGISTRATION NUMBER: 48,891
; REFERENCE/DOCKET NUMBER: P50475
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 159:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 715 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-858-207A-159

Alignment Scores.

Prod. No.:	720	
Score:	23.00	Length: 715
Percent Similarity:	100.00%	Matches: 5
Best Local Similarity:	100.00%	Conservative: 0
Query Match:	100.00%	Mismatches: 0
DB:	4	Indels: 0
		Gaps: 0

US-09-856-070-25 (1-5) x US-08-858-207A-159 (1-715)

Qy   1 MetLeuArgLeuGln 5
        |||||||||||||||
Db 560 ATGCTGCGATTACAG 574

RESULT 9
US-08-858-207A-219
; Sequence 219, Application US/08858207A
; Patent No. 6348328
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Nicholas, Richard
; APPLICANT: Stodola, Robert
; TITLE OF INVENTION: No. 6348328el Compounds
; NUMBER OF SEQUENCES: 552
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/858,207A
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/017670
; FILING DATE: 14-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50475
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 219:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 791 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-858-207A-219

Alignment Scores:

Prod. No.:	804	
Score:	23.00	Length: 791
Percent Similarity:	100.00%	Matches: 5
Best Local Similarity:	100.00%	Conservative: 0
Query Match:	100.00%	Mismatches: 0
DB:	4	Indels: 0
		Gaps: 0

US-09-856-070-25 (1-5) x US-08-858-207A-219 (1-791)

Qy   1 MetLeuArgLeuGln 5

Db   28 ATGCTAAGAITACAA 42 |||||||||||||||

RESULT 10
US-09-228-986-38/c
; Sequence 38, Application US/09228986
; Patent No. 6359198
; GENERAL INFORMATION:
;   APPLICANT: Strabala, Timothy
;   APPLICANT: Nieuwenhuizen, Niels
;   TITLE OF INVENTION: Compositions Isolated from Plant Cells
;   TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
;   FILE REFERENCE: 11000/1020
;   CURRENT APPLICATION NUMBER: US/09/228,986
;   CURRENT FILING DATE: 1999-01-12
;   NUMBER OF SEQ ID NOS: 130
;   SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 822
;   TYPE: DNA
;   ORGANISM: Eucalyptus grandis
US-09-228-986-38

Alignment Scores:
Pred. No.:   838
Score: 23.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 4

                                    Length: 838
                                    Matches: 5
                                    Conservative: 0
                                    Mismatches: 0
                                    Indels: 0
                                    Gaps: 0

US-09-856-070-25 (1-5) x US-09-228-986-38 (1-822)

Qy   1 MetLeuArgLeuGln 5
         |||||||||||||||
Db   791 ATGCTGCGGCTCCAA 777

RESULT 11
US-07-807-043B-12/c
; Sequence 12, Application US/07807043B
; Patent No. 5342774
; GENERAL INFORMATION:
;   APPLICANT: Boon, Thierry, Van den Eynde, Bene t
;   TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
;   TITLE OF INVENTION: Rejection Antigens and Uses Thereof
;   NUMBER OF SEQUENCES: 16
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   ZIP: 10022
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/07/807,043B
;   FILING DATE: 19411212
;   CLASSIFICATION: 424
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/764,364
;   FILING DATE: 23-SEPTEMBER-1991
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/728,838
;   FILING DATE: 9-JULY-1991
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/705,702
;   FILING DATE: 23-May-1991
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Hanson, No. 5342774man D.
;   REGISTRATION NUMBER: 30,946

;   REFERENCE/DOCKET NUMBER: LMD 253.3
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 688-9200
;   TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 12:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 943 base pairs
;   TYPE: NUCLEIC ACID
;   STRANDEDNESS: singular
;   TOPOLOGY: linear
;   MOLECULE TYPE: genomic DNA
;   FEATURE:
;   NAME/KEY: MAGE-31 gene
US-07-807-043B-12

Alignment Scores:
Pred. No.:   972
Score: 23.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 1

                                    Length: 943
                                    Matches: 5
                                    Conservative: 0
                                    Mismatches: 0
                                    Indels: 0
                                    Gaps: 0

US-09-856-070-25 (1-5) x US-07-807-043B-12 (1-943)

Qy   1 MetLeuArgLeuGln 5
         |||||||||||||||
Db   222 ATGCTGAGGCTGCAG 308

RESULT 12
US-08-299-849B-12/c
; Sequence 12, Application US/08299849B
; Patent No. 5612201
; GENERAL INFORMATION:
;   APPLICANT: De Plaen, Etienne; Boon-Falleur, Thierry;
;   APPLICANT: Leth, Bernard; Szikora, Jean-Pierre; De Smet, Charles;
;   APPLICANT: Chomez, Patrick
;   TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful In
;   TITLE OF INVENTION: Determining Expression of A Tumor Antigen Precursor
;   NUMBER OF SEQUENCES: 48
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   ZIP: 10022
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
;   COMPUTER: IBM
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/299,849B
;   FILING DATE: 1-SEPTEMBER-1994
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/037,230
;   FILING DATE: 26-MARCH-1993
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: PCT/US92/04354
;   FILING DATE: 22-MAY-1992
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/807,043
;   FILING DATE: 12-DECEMBER-1991
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/764,364
;   FILING DATE: 23-SEPTEMBER-1991
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/728,838
;   APPLICATION NUMBER: 9-JULY-1991
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/705,702
;   FILING DATE: 23-May-1991

ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 561220Iman D.
REGISTRATION NUMBER: 40,946
REFERENCE/DOCKET NUMBER: LUD 5355
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 943 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
FEATURE:
NAME/KEY: MAGE-31 gene

US-08-142-368A-12

Alignment Scores:
Pred. No.:   972   Length: 943
Score: 23.00   Matches: 5
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: Indels: 0
DB: 1   Gaps: 0

US-09-856-070-25 (1-5) x US-08-142-368A-12 (1-943)

Qy   1 MetLeuArgLeuGln 5
          |||||||||||||||
Db   422 ATGCTGAGGCTCCAG 308

RESULT 13
US-08-142-368A-12/C
; Sequence 12, Application US-08142-368A
; Patent No. 5925729
; GENERAL INFORMATION:
APPLICANT: Boon-Falleur, Thierry; Van der Bruggen, Thierry;
APPLICANT: Van den Eynde, Benoit; Van Pel, Aline; De Plaen, Etienne;
APPLICANT: Lurquin, Christophe; Chomez, Patrick; Traversari, Catia
TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
TITLE OF INVENTION: Rejection Antigens and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/142,368A
FILING DATE: 02-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/04354
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/807,043
FILING DATE: 12-DECEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/764,364
FILING DATE: 23-SEPTEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/728,838
FILING DATE: 9-JULY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705,702
FILING DATE: 23-May-1991

ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 592529man D.
REGISTRATION NUMBER: 40,946
REFERENCE/DOCKET NUMBER: LUD 5253.4-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 943 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
FEATURE:
NAME/KEY: MAGE-31 gene

US-08-142-368A-12

Alignment Scores:
Pred. No.:   972   Length: 943
Score: 23.00   Matches: 5
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: Indels: 0
DB: 2   Gaps: 0

US-09-856-070-25 (1-5) x US-08-142-368A-12 (1-943)

Qy   1 MetLeuArgLeuGln 5
          |||||||||||||||
Db   422 ATGCTGAGGCTCCAG 308

RESULT 14
US-08-167-727-12/C
; Sequence 12, Application US/08967727
; Patent No. 6025474
; GENERAL INFORMATION:
APPLICANT: Gaugier, Batrice, Van den Eynde, Benoit;
APPLICANT: van der Bruggen, Pierre; Boon-Falleur, Thierry
TITLE OF INVENTION: Isolated Nucleic Acid Molecules Coding For
TITLE OF INVENTION: Tumor Rejection Antigen Precursor Mage-3 And Uses Thereof
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/967,727
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/037,230
FILING DATE: 26-MARCH-1993
APPLICATION NUMBER: PCT/US92/04354
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/807,043
FILING DATE: 12-DECEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/764,365
FILING DATE: 23-SEPTEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/728,838
FILING DATE: 9-JULY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705,702

us-09-856-070-25.rni

FILING DATE: 23-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 6025474man D
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 943 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
FEATURE:
NAME/KEY: MAGE-31 gene
US-08-967-727-12

Alignment Scores:
Pred No.: 972
Score: 23.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 3

Length: 943
Matches: 5
Conservative: 0
Mismatches: 0
Indels: 0
Gaps: 0

US-09-856-070-25 (1-5) x US-08-967-727-12 (1-943)

Qy 1 MetLeuArgLeuGln 5
Db 322 ATGCTCAGGCTGCAG 308

RESULT 15
US-08-037-230D-12/S
Sequence 12, Application US/08037230D
Patent No. 6235525
GENERAL INFORMATION:
APPLICANT: Gaugler, Batrice; Van den Eynde, Beno t;
APPLICANT: van der Bruggen, Pierre; Boon-Falleur, Thierry
TITLE OF INVENTION: Isolated Nucleic Acid Molecules Coding For
TITLE OF INVENTION: Tumor Rejection Antigen Precursor Mage-3 And Uses Thereof
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felle & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/037,230D
FILING DATE: 26-MARCH-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/04354
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/807,043
FILING DATE: 12-DECEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/764,364
FILING DATE: 23-SEPTEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/728,838
FILING DATE: 9-JULY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705,702
FILING DATE: 23-MAY-1991

ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 6235525man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 943 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
FEATURE:
NAME/KEY: MAGE-31 gene
US-08-037-230D-12

Alignment Scores:
Pred No.: 972
Score: 23.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 4

Length: 943
Matches: 5
Conservative: 0
Mismatches: 0
Indels: 0
Gaps: 0

US-09-856-070-25 (1-5) x US-08-037-230D-12 (1-943)

Qy 1 MetLeuArgLeuGln 5
Db 322 ATGCTCAGGCTGCAG 308

Search completed: January 16, 2003, 21:41:33
Job time: 19.1429 secs